

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims

1. (Currently Amended) A printer having a scanning function for reading and printing an original, comprising:
color converting means for converting a first color component signal expressed in RGB based on the original thus read original into a second color component signal expressed in CMYK used for printing by referring to a lookup table,
wherein said lookup table is formed so that the second color component signal represents black when each of the color signals constituting the first color component signal is in at the range from a value indicating the-a deepest color state to a predetermined value.

2. (Currently Amended) A printer having a scanning function for reading and printing an original, comprising:
color converting means for converting a first color component signal expressed in RGB based on the original thus read into a second color component signal expressed in CMYK used for printing by referring to a lookup table,
wherein said lookup table is formed so that the second color component signal represents white when each of the color signals constituting the first color component signal is in the range from a value indicating the lightest color state to a predetermined value.

3. (Cancelled)

4. (Cancelled)

5. (Original) The printer having the scanning function as claimed in claim 1, wherein said lookup table has grids set to be non-equidistant, and in the vicinity of a portion where said

first color component signal indicates the deepest color state, the distance between the grids is set to be large.

6. (Original) The printer having the scanning function as claimed in claim 1, wherein:
said lookup table is expressed by grids including discontinuous values; and
said grids are set to be non-equidistant, and a distance between said grids, in the vicinity of a portion where each of color signals constituting the first color component signal indicates the deepest color state, is set to be wide.

7. (Original) The printer having the scanning function as claimed in claim 2, wherein:
said lookup table is expressed by grids including discontinuous values; and
said grids are set to be non-equidistant, and a distance between said grids, in the vicinity of a portion where each of color signals constituting the first color component signal indicates the lightest color state, is set to be wide.

8. (Previously Presented) The printer having the scanning function as claimed in claim 1, wherein said color converting means has a second lookup table different from said lookup table, and converts the first color component signal based on the read-out original to the second color component signal used for printing by selectively referring to any one of said lookup table and said second lookup table.

9. (Original) The printer having the scanning function as claimed in claim 8, wherein said color converting means selects any one of said lookup table and said second lookup table in accordance with a user's setting.

10-13 (Cancelled)

14. (Currently Amended) A color converting method for converting a subject color expressed in RGB for conversion into a target color expressed in CMYK comprising a

~~combination of color signals to a target color comprising a combination of color signals, wherein the color conversion is carried out so that the target color is converted to be black when each of the color signals constituting the subject color for conversion is in the a range from a value indicating representing the deepest lightest color state to a predetermined value.~~

15. (Currently Amended) A color converting method for converting a subject color expressed in RGB for conversion into a target color expressed in CMYK comprising a combination of color signals, to a target color comprising a combination of color signals, wherein the color conversion is carried out so that the target color is converted to be white when each of the color signals constituting the subject color for conversion is in the a range from a value indicating representing the lightest color state to a predetermined value.

16. (Previously Presented) The color converting method as claimed in claim 14, wherein the color conversion is carried out by referring to a lookup table predetermined with respect to correspondence between the color signal combination of the subject color and the color signal combination of the target color.